

LISTING OF THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1 - 43 (Cancelled)

44. (Previously Presented) A brushless DC motor, comprising;

a rotor assembly including a rotatable shaft having a permanent magnet affixed to the shaft;

an encapsulated stator defining an interface with the rotor assembly such that an air gap is formed; the stator comprising;

a plurality of coils for producing a magnetic field to apply a torque to the rotor assembly;

a stator stack made of a stator magnetic material for providing a magnetic flux return path;

a winding form that encircles the rotor assembly such that an air gap is maintained between the winding form and the rotor assembly, the plurality of coils wound on the winding form;

a seal applied to the interface being adapted to seal the air gap such that the air gap is blocked off; and

an end bell affixed to the stator being adapted to support the rotor assembly such that the air gap is maintained.

45. (Previously Presented) The DC motor of Claim 44 wherein the winding form further includes a tube, a plurality of teeth, and an end plug, and the seal is adapted to contact the end plug and the end bell, thereby blocking off the air gap.

46. (Previously Presented) The DC motor of Claim 44 wherein the seal is formed from a compliant material.

47. (Previously Presented) The DC motor of Claim 44 wherein said coils include end turns that enclose the rotor assembly such that the rotor assembly is not removable.

48. (Original) The DC motor of Claim 47 wherein the coils are wound in a three phase winding configuration selected from the group of: delta configuration and wye configuration.

49. (Original) The DC motor of Claim 48 wherein the coils are connected in the delta configuration.

50 – 55 (Cancelled)